

● PRINTER RUSH ●
(PTO ASSISTANCE)

IFW

Application : <u>89/16 9496</u>	Examiner : <u>Bugalsky</u>	GAU : <u>1456</u>
From: <u>OT</u>	Location: <u>IDC</u> FMF FDC	Date: <u>1-12-06</u>
Tracking #: <u>1004048</u>		Week Date: <u>10-0-05</u>

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449		<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS		<input type="checkbox"/> Foreign Priority
<input type="checkbox"/> CLM		<input type="checkbox"/> Document Legibility
<input type="checkbox"/> IIFW		<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW		<input checked="" type="checkbox"/> Other <u>Abstract</u>
<input type="checkbox"/> DRW		
<input type="checkbox"/> OATH		
<input type="checkbox"/> 312		
<input type="checkbox"/> SPEC		

[RUSH] MESSAGE: Please provide Abstract.
None in file.

THANK you

[XRUSH] RESPONSE:

Done

INITIALS: [Signature]

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FACSIMILE TRANSMITTAL SHEET

DATE: January 17, 2006
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FROM: Jeffrey L. Ihnen
OUR REF: 2314-175
YOUR REF: 09/469,494

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MESSAGE, IF ANY:

Abstract

Substantially pure conotoxins are provided which inhibit synaptic transmissions at the neuromuscular junctions and which are useful both in vivo and in assays because they specifically target particular receptors, such as the acetylcholine receptor, and ion channels. The peptides are of such length that they can be made by chemical synthesis. They also may be made using recombinant DNA techniques, and the DNA encoding such conotoxins having pesticidal properties can be incorporated as plant defense genes into plant species of interest.